

# AB-NN202-1

## Aquaporin 4 Antibody

Pan-specific polyclonal antibody for monitoring the expression of rat Aquaporin 4



**KINEXUS**

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Aquaporin 4
<b>Alias:</b>	AQP 4, AQP-4, AQP4, AQP4_HUMAN, Aquaporin type 4, Aquaporin-4, Aquaporin4, HMIWC 2, HMIWC2, Mercurial insensitive water channel, Mercurial-insensitive water channel, MGC22454, MIWC, WCH 4, WCH4
<b>UniProt ID:</b>	P47863 - Rat
<b>Human Predicted Mass (KDa):</b>	34.830 (323 AA; F1DSG4-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	35

### Immunogen

<b>Antibody Immunogen Source:</b>	Produced against the C-terminal peptide (Sequence N-CTKGSYMEVEDNRSQVETED) of rat aquaporin 4
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### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	59 Mix
<b>Antibody Purification:</b>	Affinity purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:2000), ICC/IF (1:400); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	0.5 µg/ml of SPC-505 was sufficient for detection of aquaporin 4 in 10 µg of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~35 kDa protein. May detect larger glycosylated ~50 kDa proteins.

This product is for in vitro research use only and is not intended for use in humans or animals.

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